

**CLAIMS**

1. A method of making a testing device for testing a plurality of fluid samples comprising the steps of:

5                   positioning a plurality of at least paired, spaced apart conductive electrodes in a mold for a carrier;

                  molding a carrier of insulative material to at least embed a portion of the electrodes in the insulative material and to permit exposure of at least a portion of one electrode to a fluid sample to be tested; and,

10                  treating at least one of the electrodes with one or more substances before or after the molding of the carrier for reacting with the fluid sample to be tested.

2. The method of Claim 1 wherein the molding step includes molding the insulative material to at least encase at least a portion of the electrodes.

15                3. The method of Claim 1 wherein the electrodes are electrically conductive wires and the wires are pulled into the mold before the molding step.

20                4. The method of Claim 1 wherein the electrodes are formed before the step of positioning them in the mold for the carrier by stamping out a specific pattern from an electrically conductive plate.

5. The method of Claim 1 wherein the electrodes are held in place during the molding step.

25                6. The method of Claim 1 wherein the electrically conductive electrodes are substantially molded into the insulative material with at least a part thereof embedded within the insulative material and the electrodes are disposed in fixed longitudinal relation in the insulative material.

7. The method of Claim 1 wherein the electrically conductive electrodes are substantially molded into the insulative material with at least a part thereof encased by the insulative material and the electrodes are disposed in fixed longitudinal relation in the insulative material.

5 8. The method of Claim 1 wherein the molding step includes forming a hinge in a space between each at least paired electrodes for permitting the pivoting and connecting of a portion of the insulative material onto itself.

10 9. The method of Claim 1 wherein the molding step comprises molding end caps hingeably attachable to the carrier to one another after the molding is completed.

10. The method of Claim 1 wherein the molding step includes molding into the carrier, between each at least paired electrodes, means for receiving the fluid sample.

15 11. The method of Claim 1 wherein the means for receiving the fluid sample includes a capillary inlet in the carrier in communication with a reaction zone and a vent.

20 12. The method of Claim 1 wherein the molding step includes forming a vent between each at least paired electrodes for detecting when the sensor contains a sufficient quantity of fluid sample for testing.

25 13. The method of Claim 1 wherein the molding step includes molding into the carrier a means for detecting the presence of an adequate amount of sample between each at least paired electrodes.

14. A method of making a testing device for testing a plurality of fluid samples comprising the steps of:

positioning a plurality of at least paired, spaced apart conductive electrodes in a mold for a carrier;

molding a carrier of insulative material to at least embed a portion of the electrodes in the insulative material and to permit exposure of at least a portion of one electrode to a fluid sample to be tested; and,

depositing one or more substances on at least one of the electrodes before or after the molding of the carrier to react with the fluid sample to be tested and to change the electrical properties between the electrodes.

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